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02057

Declass Review by NGA.

NPIC/TDS/D-815-67
24 April 1967

MEMORANDUM FOR THE RECORD

SUBJECT: Evaluation of Proposals to Fabricate the Control Console for
the Digitized Measuring Light Table

1. The design objectives for the Control Console for the Digitized Measuring Light Table were sent to eleven companies. Negative responses were received from seven companies; one company did not respond at all; one company submitted an unacceptable bid, and two acceptable bids were received. [redacted]

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X1

[redacted] each submitted acceptable proposals.

2. The two proposals were evaluated on the basis of cost, quality, company experience and availability of company technicians in case of breakdown.

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X1

a. Cost: [redacted] estimates a total cost of [redacted] on a CPFF basis. [redacted] quotes a total fixed price of [redacted] bases their price estimate on a total of 1598 hours of labor and [redacted] worth of materials with an overhead of about 125%, G.&A. of 13.1% and fee of 7%. [redacted] is proposing on an estimate of 1200 hours of labor, [redacted] worth of materials with an overhead of 120%, G.&A. of 22.8% and fee of 10%. Although [redacted] has proposed a fixed price contract, [redacted] is adjudged to be the better of the two on the basis of cost because their total price is less and even though they have proposed a cost type contract, their estimates appear to be well thought out and if anything they may be high.

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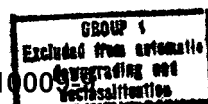
X1

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b. Quality: Both companies propose to use the [redacted] Dig converter unit to convert the output of the reading heads to binary coded decimal. Both companies propose to use solid state components, printed circuits and integrated circuits. It appears that [redacted] will design a new circuit using integrated circuits to the extent possible whereas [redacted] plans to use existing shelf items wherever it can. [redacted] has included a test device in their design which would allow the operator to read the message going to the computer. [redacted] has also included drawer type racks for ease in maintenance and

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a sliding control panel for operator convenience. [] has made no provision in their proposal for travel indicating they do not intend to come to Washington to check out their console. [] has therefore been judged to have a slightly better technical proposal than []

c. Background: [] built the Dual Screen Measuring Projector which has been successfully working on line with NPIC's computer for over two years. [] has been performing trouble-shooting on several on-line pieces of hardware within NPIC. Both companies have adequate background to perform the work and are judged equal in experience.

d. Availability: [] is about 3000 miles from NPIC. [] is about 30 miles from NPIC. [] is therefore more readily available in case of malfunction than is []

3. [] is considered to be the first overall choice of potential contractors to perform the design and fabrication of the Digital Control Console. It is recommended that a contract be negotiated with [] for the design and fabrication of the console.

[]
Development Staff, TDS

Distribution:

Orig - Project file
2 - TDS/DS

NPIC/TDS/DS: [] (24 April 1967)

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